

Express Mail No. EV309292879US
2003
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021B
Title: Mold Spraying System

Date of Deposit: July 16,

Docket No.: HON1448-

ABSTRACT

A mold spraying system for emitting one or more sprayable materials onto portions of a mold, such as a die-cast mold, while the mold is located in a molding machine. The spraying system has an emitter, such as a spray head, for directing the one or more materials onto portions of each half of the mold when the mold is in an opened position between molding cycles of the molding machine. The spray head is connected to a manipulator for positioning the spray head between the mold halves. A pressure boosting unit is employed to ensure that the sprayable materials are supplied to the spray head at a sufficient pressure, notwithstanding any system pressure losses and/or the high frequency of spraying operations required to be performed as a result of a short molding machine cycle.